

***Eriogonum argophyllum*** Reveal (1972)**SULPHUR SPRINGS BUCKWHEAT**

**FAMILY:** *Polygonaceae*, the buckwheat family.

**STATUS:** **Heritage Program SENSITIVE LIST, ranks: G1 S1**

**USFWS/ESA:** species of concern, formerly CANDIDATE or PROPOSED. **STATE OF NEVADA:** FULLY PROTECTED. **BLM:** Special Status Species. **USFS:** none. **NNNPS:** ENDANGERED.

**POPULATION CENSUS:** 1 occurrence mapped; total estimated individuals 5000, total estimated area 8.1 ha (20.0 ac).  
**TREND:** unknown.

**IMPACTS AND MAJOR THREATS:** Vulnerable to private or commercial development, hydrothermal energy development or other water diversions, livestock trampling, off-road vehicle activity. Current impacts appear minimal.

**INVENTORY EFFORT:** Surveys are presumed complete. Most other isolated hot spring mounds in the Great Basin have been visited by botanists without revealing this species. Most recent entered survey 1990.

**Years since last entered survey** (percent of mapped records at various survey ages): **11-20 yrs:** 100%.

**LAND MANAGEMENT:** private lands.

**RANGE:** Elko County, Nevada. Endemic to Sulphur Hot Springs in Ruby Valley. **Type specimen** collected in Elko County.

**ELEVATIONS RECORDED:** 6030-6050 feet (1838-1844 meters).

**HABITAT:** Shallow, light-colored, coarse-loamy, evaporite-cruste sandy soils along runoff channels on a hot spring mound, on gentle easterly slopes, with a sparse associated cover of *Senecio canus*, *Ivesia kingii*, *Bromus tectorum*, *Centaurium exaltatum*, and *Ericameria nauseosa*, surrounded by zonal big sagebrush vegetation. Aquatic or wetland-dependent.

**PHENOLOGY:** flowering late-spring. Range of most frequent **survey months:** May-June.

**LIFE-FORM AND HABIT:** small long-lived perennial cushion.

**DESCRIPTION:** A low perennial herb that forms a mat of white-hairy leaves, about 1-2 dm across. Leafless flowering stems bear terminal clusters of yellow flowers high above the leaf mat. Blooms June-July.

**PHOTOGRAPHS:** Morefield (1992); Nevada Natural Heritage Program images web page (1998-present), slide collection (1986-present), and files.

**ILLUSTRATIONS:** Mozingo and Williams (1980).

**OTHER GENERAL REFERENCES** (listed separately): Reveal (1985).

**SPECIFIC REFERENCES:**

Duff, M. 1996. The pollination biology and demography of *Eriogonum argophyllum*. Las Vegas: The Nature Conservancy of Nevada, unpublished report.

Morefield, J. D. 1992. Status report for *Eriogonum argophyllum* Reveal. Carson City: Nevada Natural Heritage Program, prepared for the U. S. Fish and Wildlife Service, Reno.

Reveal, J. L. 1972. New species and combinations in *Eriogonum*. *Phytologia* 23: 168-172.

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